Perspectives | *in Biology and Medicine*

THE UNIVERSITY OF CHICAGO PRESS

VOLUME 26

© 1982, 1983 BY THE UNIVERSITY OF CHICAGO
ALL RIGHTS RESERVED
PUBLISHED AUTUMN 1982
WINTER, SPRING, SUMMER 1983

PUBLISHED BY THE UNIVERSITY OF CHICAGO PRESS

PERSPECTIVES IN BIOLOGY AND MEDICINE

VOLUME 26 · CONTENTS

1	Bernard D. Davis	The Importance of Human Individuality for Sociobiology
19	Edward O. Wilson	Sociobiology, Individuality, and Ethics: A Response
30	Seth Pincus	A Sense of Self
39	Charles A. Reed	Answer to Virginia
46	John L. Dusseau	The Plague: On the Evil and on the Good, on the Just and on the Unjust
51	Kenneth A. Gruber	Endogenous Druglike Substances: Implications and Approaches to Their Study
62	Joy L. Ware	Analysis of the Histocompatibility Complex
64	H. Tristram Engelhardt, Jr.	Bioethics in Pluralist Societies
79	Glenn E. Weisfeld	An Extension of the Stress-Homeostasis Model Based on Ethnological Research
98	Ilza Veith	The Medical World of King Tutenkhamon
107	Gerald M. Lower, Jr., and Marty S. Kanarek	Conceptual Foundations of Chemoprevention: A Critical Analysis
116	Robert J. Joynt and John H. Feibel	Stroke: Another View
127	Michael Newman	Jabberwocky Genes
132	Arthur M. Diamond, Jr.	Avery's "Neurotic Reluctance"
137	Ivor H. Jones	Self-Injury: Toward A Biological Basis
151	Scott F. Gilbert	Intellectual Traditions in the Life Sciences: Molecular Biology and Biochemistry
163		BOOK REVIEWS: *Brain Dysfunction in Children: Etiology, Diagnosis and Management,* edited by Perry Black; *Rainbows, Halos and Glories,* by Robert Greenler; *The Poisoning of Michigan,* by Joyce Egginton.
169		LETTERS TO THE EDITOR: Ernst Kallenbach; Douglas Dix.

171	Mark D. Altschule	Invalidity of Using So-called Starling Curves in Clinical Medicine
188	Albert B. Sabin	Judaism and Medicine
198	Richard E. Davis	Legends and Myths: A Basis for Scientific Research?
205	Adam Sulkowski	Psychobiology of Schizophrenia: A Neo-Jacksonian Detour
219	Selma Hyman	Therapeutic Use of Spontaneous Imagery
229	R. R. Roth	The Foundation of Bionics
243	William H. Brunie, editor	It Has Been Said
245	Fred D. Ledley	Recombinant DNA and the Copernican World View
261	Jeremiah A. Barondess	The Doctor, the Patient, and the System: Reflections on Education for Clinical Careers
274	Anne Hudson Jones	The Healer-Patient/Family Relationship in Vonda N. McIntyre's "Of Mist, and Grass, and Sand"
281	Gale W. Rafter	Banting and Best and the Sources of Useful Knowledge
287	Margot R. Roach and Norman B. Smith	Does High Shear Stress Induced by Blood Flow Lead to Atherosclerosis?
304	Rivers Singleton, Jr.	Interdisciplinary Teaching with Humanists: Reflections of a Biological Scientist
315	Gordon G. Gallup, Jr., and Susan D. Suarez	Homosexuality as a By-Product of Selection for Optimal Heterosexual Strategies
323	Michael J. Katz	Ontophyletics: Studying Evolution beyond the Genome
336		BOOK REVIEW: *The Piltdown Forgery,* by J. S. Weiner.
338		LETTERS TO THE EDITOR: Jacqueline Westerman; Jane M. Orient; John M. Opitz; Ursula Mittwoch.
	Verses by Samuel Stearns, Susan C., Trevor Robinson, Angelo Taranta, Eira I. Mattsson, and James W. Crawford	
343	William A. Silverman	The Public Character of Scientific Medicine
354	Klaus Grossgebauer	Cancer: Reexpression of Procaryotic Replication Units—the "Procaryote Hypothesis" of Oncogenesis
362	Barrie R. Cassileth	The Evolution of Oncology

375	Thomas McKeown	It Has Been Said: Original Aphorisms
378	Paul G. Roofe	Neurology Comes of Age: The Herrick-Meyer Scientific Papers Initiating a More Rational Approach to Neurology and Psychobiology
388	Angelo Taranta	An Immigrant Doctor
395	Richard E. Peschel and Enid Rhodes Peschel	The Face of Death: Case History, Literary Histories
411	Jane M. Orient	Equity in Medical Care: Are the Deserving Poor Eligible?
417	John S. Schweppe	Perspectives in Scientific Communication: Past, Present, and Future Directions
433	Colleen D. Clements	The Lesion and the Function: Setting Up the Reductionist Problem
441	Peter P. H. DeBruyn	Transcellular Cell Movement and the Formation of Metastases
451	Donald B. Giddon	Through the Looking Glasses of Physicians, Dentists, and Patients
459	F. Howell Wright	How Bad Were the Good Old Days?
472	Peter D. Olch	Evarts A. Graham: Pivotal Figure in American Surgery
486	Arthur S. Elstein, Margaret M. Holmes, Michael M. Ravitch, et al.	Medical Decisions in Perspective: Applied Research in Cognitive Psychology
502	Austin Hughes	Electrical Recording of Drinking Behavior by the Housefly, *Musca Domestica*
506		BOOK REVIEWS: *Ultrastructural Pathology of the Cell and Matrix,* by Feroze N. Ghadially; *Letters to a Young Doctor,* by Richard Selzer
509		LETTERS TO THE EDITOR: Joseph D. Robinson; P. K. Rangachari; William M. Govier
	Verses by Beth A. Simmons, Trevor Robinson, Samuel Stearns, and Leslie M. Klevay	
515	Evelyn Fox Keller	The Force of the Pacemaker Concept in Theories of Aggregation in Cellular Slime Mold
522	Joseph L. Esposito	Conceptual Problems in Theoretical Gerontology
547	L. A. McNicol and R. N. Doetsch	A Hypothesis Accounting for the Origin of Pandemic Cholera: A Retrograde Analysis

553	Robert M. Hawthorne, Jr.	Henry Drysdale Dakin, Biochemist (1880–1952): The Option of Obscurity
568	Deane H. Shapiro, Jr.	Dimensions Relevant to the Health Care and Therapeutic Use of Self-Control Strategies: A System Model for Applied Research
587	Theodore Berland	The Challenge of Medical Writing in America
595	Leslie L. Bennett	What Causes Fatty Liver after Pancreatectomy—an Unresolved and Forgotten Controversy
613	Louise H. Marshall	The Fecundity of Aggregates: The Axonologists at Washington University, 1922–1942
637	Philip Reilly	The Surgical Solution: The Writings of Activist Physicians in the Early Days of Eugenical Sterilization
657	Jerome L. Sullivan	The Sex Difference in Ischemic Heart Disease
672	Theoharis Constantin Theoharides	BRIEF PROPOSAL: Mast Cells and Migraines
676		BOOK REVIEWS: *The Unmasking of Medicine,* by Ian Kennedy; *Philosophy in Medicine,* by Charles M. Culver and Bernard Gert; *The Biology of Race,* by James C. King; *Biofeedback: Clinical Applications in Behavioral Medicine,* by David S. Olton and Aaron R. Noonberg

Verses by Greg Thorne, Milton Love, and Candace Galen